

UPDATED 2-9-2023

Cambridge Water Department Per- and Polyfluoroalkyl Substances (PFAS) Monitoring - Analytes detected
Entry Point to the Distribution System (EPDS) aka Finish Water

C.A.S.# Compound Name	MasDEP MCL	1/23/2023	2/6/2023										
		ng/L (ppt)	ng/L (ppt)	ng/L (ppt)	ng/L (ppt)	ng/L (ppt)	ng/L (ppt)	ng/L (ppt)	ng/L (ppt)	ng/L (ppt)	ng/L (ppt)	ng/L (ppt)	ng/L (ppt)
1763-23-1 Perfluorooctane Sulfonic Acid (PFOS)	x	ND	*TRACE										
335-67-1 Perfluorooctanoic Acid (PFOA)	x	*TRACE	3.2										
355-46-4 Perfluorohexane Sulfonic Acid (PFHxS)	x	ND	*TRACE										
375-95-1 Perfluorononanoic Acid (PFNA)	x	ND	ND										
375-85-9 Perfluorheptanoic Acid (PFHpA)	x	*TRACE	*TRACE										
335-76-2 Perfluorodecanoic acid (PFDA)	x	ND	ND										
Sum of PFAS6 detected		ND	3.2										
Quarterly Compliance Average													

ND= Not detected

*TRACE = trace amounts are present, but they are below the minimum concentration that can be reported as a quantified value.

ng/L = nanograms per Liter or ppt, parts per trillion

2.0 ng/L Minimum Reporting Limit (MRL) The lowest quantitated value for a target analyte in a sample. Typically the lowest calibration standard used.

MassDEP Regulation requires quarterly compliance for PFAS6 MCL: ≤ 20 ng/L for sum of PFOA, PFOS, PFHxS, PFNA, PFDA, and PFHpA,

MassDEP PFAS Regulations if PFAS6 is detected monthly monitoring is required:

- If the average of a PFAS6 result and its associated confirmatory sample is greater than 10 ppt, the sampling location must be sampled monthly .
- Monthly Sampling continues until the source is shown to be Reliably and Consistently ≤ 10 ng/L.
- Any PWS that is performing monthly PFAS6 monitoring the regulation requires quarterly averaging for compliance.
- If any PFAS6 monthly monitoring value exceeds 20 ppt, the PWS shall provide public education materials regarding the exceedance.